

Jefco Aeromod'lers Mailing Address: Jefco Aeromod'lers RC Club P.O. Box 621156 Littleton, CO 80162-1156

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303-346-5722

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LRPC Chairman

**Membership Coordinator** 

Bruce Ream

Lora Knowlton

Do not allow your aircraft to fly over the campgrounds or the guard shack.

Above: Leo Hrdlicka Hoists the Colors as wife Bette, left, salutes during the National Anthem.

2017 Warbirds Over Denver, Chatfield Aerodrome, Chatfield State Park, Colorado

July's Program: No program, there will be a barbecue, short meeting and fun-fly at the Aerodrome

#### President's Message - July, 2017



Dear Members:

"BANG", July is here and here we go!

The 4th of July has always been a favorite of mine. We would play in the Platte River water, near Louisville (pronounced Louieville when in eastern Nebraska) and shoot off fireworks over the river at night. Lots of fond memories for sure. Of course, we celebrated the birthday of our country.

Here at Jeffco, we are celebrating another successful WarBirds Over Denver. Many thanks go out to Lora Knowlton and ALL the volunteers and pilots. Great fun.

During July, we have our next general meeting at the aerodrome (I sure like that word) served with hamburgers, hotdogs, chips and pop, freshly cooked by you know who. I like the idea of cooking out in the summer. Hank Diepenbroek the assistant CD for the Mile High Challenge, August 5,6,and 7th will be our speaker. He will likely need volunteers. Well, sign me up!

After a light business meeting, enjoy the pleasant evening flying your favorite plane, heli, or quad until dusk. Watching the sun set behind the purple majesty of the Rockies is something you can only do in Colorado.

Later we have fun watching rookie Chatfield Rangers and Park Employees try to crash Bud's, Bruce's or Tom Elliot's airplanes when we have Ranger Fun Day on July 19. Volunteers would be helpful as, once again, we serve cooked food. Lots of fun showing the Chatfield State Park Rangers and Employees how we do it!

I believe that is all for July. Enough for you?

I hope to see some of you at the meeting on Wednesday, July 5 about 5:00.

We'll talk business next month. Enjoy the flying.

Pete Thompson, President

Jefco Aeromod'lers

#### Welcome New Jefco Aeromod'lers R/C Club Members

Michael Gebauer - Bailey, CO
Marco Villasuso - Highlands Ranch, CO

Jefco Aeromod'lers				
July	2	George	Eide	
July	2	Ronald	Schnabel	
July	8	Al	Holzwarth	
July	8	Chet	Rutledge	
July	9	Stace	Arnston	
July	11	H. Jay	Hardesty	
July	14	Morgan	Young	
July	15	Armand	Ciuffo	
July	17	Theo	Boyer	
July July	14 15	Morgan Armand	Young Ciuffo	



July Birthdays				
July	19	John	Roenfeldt	
July	22	Chuck	Beckey	
July	22	Tyler	Bachelder	
July	26	Bill	Zimmerman	
July	26	Scott	Cline	
July	28	Randal S	Steven Clark	
July	29	Dean	Lassek	
July	29	Dave	Holtz	
July	31	Roger	Kruse	

## Field Cleanup in Preparation for Warbirds Over Denver Photos by Bud Glass



volunteers that showed up for field cleanup in preparation for Warbirds Over Denver.

Directly above, Bruce Robson drives the tractor.
Bruce, a perennial Jefco volunteer, is to go in for
a total hip replacement this month. Our
thoughts and prayers are with you, Bruce!!!

## June 7, 2017 Jefco Aeromod'lers R/C Club Business Meeting Minutes

The meeting was called to order by President Peter Thompson at 7:05 PM at the Alice Terry Elementary School. There were 29 in attendance.

**New Guests and New Members:** President Thompson introduced Dick Laubach. Dick was a member many years ago and scratch built the Tequila Biplane featured on Page 10 of the June newsletter. He was here as a guest of Larry Bickel.

#### **President's Comments:**

- Warbirds Over Denver: President Thompson noted that a field clean up was held on Saturday, June 3. He thanked everyone who participated. He recognized those present who were planning to put on the orange vests and direct flightline traffic during the Warbirds Over Denver event.
- New Items at the Aerodrome President Thompson asked if anyone noticed anything new at the aerodrome? Lora Knowlton mentioned the new fence that expands the storage area. She also went on to mention the electric arming tables. She extolled the excellent finish Lanny Waguespack put into these tables.
- Lanny Waguespack, electric arming tables -President Thompson went on to give Lanny a public thank you for building the electric arming tables. These tables have no wing restraints since they are to be used only for installation or removal of batteries in electric powered planes just prior to or right after a flight. That is why they are located near the pilot boxes. Bud Glass emphasized that they are NOT to be used for storage!
- Yard Pylon Racing Foundations Hank Diepenbroek has installed the pylon foundations approved by the Park. They will be very useful for location of the pylons at the August pylon race.
- **July Meeting at Chatfield** The July meeting will be held at the Aerodrome. President Thompson has volunteered to procure the hamburgers, hotdogs and condiments. We'll start serving the food about 5:00P.M. and start the meeting about 6:00P.M. After a short business meeting President Thompson says we can start the fun-fly portion of the meeting.

**Program:** President Thompson then introduced Ron Ratcliffe who presented his program "Safe Disposal of Lipo Batteries". Ron started off by saying that while he does not consider himself to be a lipo battery expert, he is very interested in the safety aspect of using them. He was inspired to look into this subject when he volunteered to be the Club Fire Marshal. He was finding batteries disposed of in the cigarette butt buckets, the fire buckets and even in the barbecues at the end of the

pavilion. He found one battery in one of the water buckets where it had apparently been laid on the lid and in the ensuing fire melted through the lid and dropped into the water below.

In preparation for this talk, Ron reviewed several videos online about lipo fires. Being a retired Denver firefighter, he was particularly concerned about house fires. After viewing the videos, he is hoping to change our attitude to be more careful when using and storing lipo batteries. One of the things he was curious about is whether a lipo battery will spontaneously combust? One of the videos he watched was of a workroom where several people were working in what appeared to be a commercial drone facility. With no audio it was apparent by the body language that one of the workers heard something. He went over to investigate and just as he got to the island work bench a lipo battery that was described as being in good condition burst into flames. He threw it on the floor and started stomping on it. Another worker that had dashed out at the start of the fire returned with a fire extinguisher and put the fire out almost immediately.

Ron had several takeaways after viewing this video. First was the answer to his question - yes, these batteries can and do spontaneously combust. The fire was not as intense as some lipo fires he viewed were, but still the room was plenty full of smoke. He was struck by the oddity that working in this room with drones and lipo batteries they did not have a fire extinguisher in the room. Ron hoped that if we gained anything from this information, it would be that whenever we work with lipo batteries we should have a fire extinguisher in the room readily available.

Ron showed a small ABC class fire extinguisher he would recommend having on hand. It uses a dry powder to put the fire out. He suggests it be located next to the exit of the room. That way if the fire has flared way up by the time you reach the extinguisher you can close the door and call the fire department. Ron mentioned the Denver Fire Department's average time to respond is three minutes. He also took the opportunity to encourage everyone to have fire detectors/alarms and to keep them up-to-date.

Ron went on to describe the various kinds of lipo batteries. Lithium ion and LIFE batteries have very long life, but are designed to carry modest load currents. The LIFE batteries are very good to power the electronics in RC airplanes. To supply the high current demands of electric powered airplanes the Lithium polymer battery is best. Ron explained the storage voltage when these batteries are not being used has a great effect on the life and capacity of the battery.

## June 21, 2017 Jefco Aeromod'lers R/C Club Board Meeting Minutes

Meeting was called to order at 6:33 PM by President Peter Thompson.

Peter Thompson(P), Present	Lora Knowlton (Treas), Present	Ron Ratcliffe (BM), Present
Glenn Lee (VP), Present	Steve Rosselot (Safety), Present	Art Wilson (BM), Present
Larry Fagan (Sec), Present	Kevin Furman(BM), Absent	Bud Glass (BM), Present

#### **President's Comments:**

• Warbirds Over Denver: President Thompson thanked Lora for a great Warbirds Over Denver. Lora reported that there were 68 pilots, 31 that preregistered. Lora thanked the Board for all their assistance. The event went off like a well-oiled machine. Leo and Bette Hrdlicka did a great job running the lunch line again this year. Lora also discussed an email that she received after the event from a spectator. The spectator came with her two young kids who had a marvelous time watching the airplanes fly. They haven't stopped talking about their experience. Lora said that while we often think our goal is to have a lot of pilot, touching the lives of future "pilots" and the future of our hobby is huge.

Secretary's Report: Larry Fagan reported that an item "Landing Fees" was reported in last month's BOD meeting minutes as being submitted to the Park. Chuck James, previous Jefco club president, contacted Larry to ask what these "Landing Fees" were as there was no mention previous minutes. It was explained to Chuck that it is a plan to enable non-members to share in the maintenance costs of the field, and is very much in the preliminary discussion phase with the Park. Bud Glass further explained this item at the May general meeting. Larry suggested amending the minutes by deleting the item from the previously published BOD minutes. Lora Knowlton motioned to accept the May 17, 2017, Board meeting minutes published in the June newsletter as amended. The motion was seconded by Ron Ratcliffe and carried.

**Treasurer's Report:** Lora Knowlton presented the June 21, 2017 club's balance sheet. Steve Rosselot motioned to accept the June 21, 2107 balance sheet as amended. The motion was seconded by Bud Glass and carried.

#### **Committee Reports:**

- Membership Report: Lora Knowlton no report.
- Field Maintenance & Runways: Bud Glass reports that no sealer will be required for the runways this year. Bud reports he has procured a sprayer to mount on the back of the garden tractor to be used for weed and goat head mitigation.
- **Safety:** Steve Rosselot is planning to submit a safety corner article for the July newsletter.
- Flight Instruction / Training: Bud Glass reports he needs a couple more flight instructors as he is getting numerous requests for flight instruction.

#### • Events:

- Or July Meeting at Chatfield The July 5th general meeting will be held at the aerodrome. President Thompson reports that a fun-fly and cookout will be held in conjunction with the brief meeting. Hamburgers, hot dogs and soda will be provided.
- Ranger Fun Fly The annual Ranger Fun Fly will be held July 19 from 11AM to 2PM. Volunteers are needed to bring trainer aircraft. Bud will arrange to coordinate with the Park. Larry Fagan will contact Paul MacIntosh to see if he can coordinate the lunch.
- Pylon Race The Pylon Race will be held August 4,
   5 & 6. Hank Diepenbroek will be the Assistant CD.
   Event has approved permits from AMA and Park.

#### • Programs:

- ° July: Fun Fly and Cookout, no formal program.
- August: Bruno Mary has volunteered to present a program on molding rubber parts.
- September Chris Jackson Commercial UAS Helicopter
- Old/Unfinished Business:
- FPV, Quad Racing, etc. Proposal/Policy: Bud Glass has not had any feedback from his submittal to the Park. Bud will ask Tom Elliot to touch base with the Park.
- **Survey:** Lora Knowlton reported that she is putting final touches on the survey and it will be sent to the Board for their review before it's distributed to the members. Since it's been many years since the last member survey, the board is interested in receiving member feedback on a variety of topics.
- Goat Heads: The board discussed the goat head problem at the field. It should be noted that the goat heads are actually seeds, and should not be pulled from shoes and thrown back on the grass. They should be deposited in the trash cans so they won't come back next year.
- New Field Sign: Bud Glass is accepting submissions for the airplane decal to be included on the new field sign. Bud will submit the sign with the decal for the Park's approval.

#### **New Business:**

• **Flight Training** - Bud Glass sees the need for a training program for trainers. Toward this end Bud has

## June 7, 2017 Jefco Aeromod'lers R/C Club Business Meeting Minutes (Con't)

**Program (Con't):** If you store a lipo battery fully charged for any length of time it tends to degrade the battery. Ron defined this as a few days to a week or more. It can develop a high internal resistance which will lead to difficulty in charging and degraded performance. Ron says storing lipo batteries at 3.8 volts per cell will allow them to be stored for months with no problem whatsoever.

Ron proceeded to discuss possible safe ways to store and charge lipos. He mentioned using cinder blocks with play sand in a plastic bag for a cover. If the lipo spontaneously combusts, the heat will melt the plastic bag and the play sand will smother the fire. He also pointed out how much protection is provided by gypsum board (dry wall) and says he uses a piece to place charged or charging batteries on. He also showed a device called the BATT SAFE. One other thing he brought up was garage floors are always lower than the floor to your house. This is because if there are any gasoline fumes lurking in the garage they tend to collect just above the floor since they are heavier than air. By charging your batteries well off the floor, you reduce the possibility of any sparks igniting these fumes. This concluded Ron's most informative talk and President Thompson thanked him for such a thoughtful and educational presentation.

**Secretary's Report:** Steve McGill motioned to accept the May 2, 2017, general meeting minutes as published in the June newsletter. The motion was seconded by Chuck James and carried.

<u>Treasurer's Report</u>: — Lora Knowlton presented the financial report. Income since May 1 was from a few new memberships and Warbirds Over Denver preregistrations. Lora also went over expenses since May 1. A motion to accept the report was made by Ron Radcliffe and seconded by Steve Rosselot. The motion passed.

#### **Committee Reports:**

 Field Maintenance & Runways: — Bud Glass reported the fence project was completed this week. The fence was relocated 24 feet to the west and the gates were relocated to accommodate the shipping container and make better use of the yard for equipment storage.

The second thing Bud discussed was the "Landing Fee" that was mentioned in the BOD meeting minutes. While the Board was brainstorming the FPV racing proposal, Bud had floated the idea of collecting a fee from non-member visitors who would be using the facilities. President Thompson had chimed in "like a landing fee". Larry then reported this term "Landing Fee" totally out of context in the May BOD meeting minutes.

To make sure everyone has the up to date information

Bud reported on the status of the proposal to the Park to allow FPV racing. Bud and Tom Elliot met with Scott Roush, Park Manager and Kris Wahlers, CSP Operations Manager about this proposal. The two takeaways from the meeting were the Park will consider approval of the FPV racing if they agree with our proposed rules, and secondly they have agreed to consider a concept where the Club would be allowed to charge a modest "visitors fee" for non-members to use the aerodrome facilities.

Bud reported the results of this meeting to the Board. Jointly, the Board put together the proposed rules spelling out the safety requirements, compliance with AMA and all rules we comply with on the fixed wing side of the aerodrome. The draft was reviewed by the Board. Bud used the comments from the Board to finalize the proposal that he hand-delivered to the Park on May 2. As of today, Bud has not received a reply from the Park.

- <u>Safety</u>: Steve Rosselot, no report. President Thompson said we would like to add a new feature to the website, a safety corner with a monthly safety tip.
- Membership Report: Lora Knowlton reported that
  we have 211 active members, 7 awaiting their AMA
  numbers. There are 60 non-renewals from last year. As
  an aside, Lora mentioned that the company who
  engraves bricks for the kiosk has gone out of business.
  If anyone knows of an alternate supplier please let her
  know.
- **Flight Training:** President Thompson requests that anyone interested in becoming a flight instructor to get hold of him or Bud Glass.

#### · Events:

June: Lora reminded everyone that Warbirds Over Denver will be held June 9,10 and 11. She has received 27 preregisters already. Lora showed off this year's pilot shirts. Lora announced that Hank Diepenbroek passed his CD test and he is now an official Contest Director! He will be the Assistant CD for the Warbirds Over Denver event as well as his pylon racing event this August.

Lora went over the logistics of setting up for the event one by one. She verified that several of the members in attendance had volunteered to help in various areas, but several other areas were still in need of volunteers. She also gave a timeline of the setup procedures such as the storage tent, portable toilets and registration.

#### Programming

 July: President Thompson stated that in conjunction with the July meeting at the Aerodrome we will have a barbecue, simple business meeting and a fun-fly.

Continued on page 7, top left column.

## June 7, 2017 Jefco Aeromod'lers R/C Club Business Meeting Minutes (Con't)

- Programming (Con't)
  - August, Bruno Mary, "Building Techniques Molding Rubber Parts".
  - September, Chris Jackson "Commercial UAS Helicopter."

#### **Old/Unfinished Business:**

- **New Field Sign:** Bud Glass has received 2 proposals for the new 2-sided field sign at the entrance to the Aerodrome. The sign will conform to the Colorado Parks and Wildlife signage standards. This would be an opportunity to change the picture of the plane on the sign. President Thompson encouraged anyone who has an idea for a different picture to contact him or Bud Glass.
- Membership Survey: Lora reports that the membership survey is almost completed, she will have the board members review it. After incorporating Board suggestions she will send out an e-mail blast inviting all members to participate.

**Show and Tell:** Before starting show and tell, President Thompson turned the mic over to Bud Glass who

introduced new member Sam Levy. Sam is a seasoned flyer of RC planes who wished to make the transition to Warbirds. Bud explained that Dave Gianakos gave him some pointers on techniques for setting up a Warbird for the final approach and landing it.

President Thompson then handed the mic to Larry Bickel who was showing the Tequila that was featured in the June newsletter. The plane was scratch built by Dick Laubach and Larry installed the control system and engine and finished the fuselage as the wings were already covered. The pilot was supplied by a friend of Dick' wife. He said it fit the cockpit perfectly and all it needed was sunglasses. A short time later the wife had added sunglasses to the bear. Dick never thought he would see the plane finished, so Dick thanked Larry profusely for getting her airborne.

**Drawing:** There was no drawing tonight because no one has volunteered to take over the drawing responsibilities.

**MOTION to ADJOURN:** Larry Bickel made a motion to adjourn. The meeting was adjourned at 8:27 pm. Respectfully submitted, Larry Fagan, Secretary

## May 17, 2017 Jefco Aeromod'lers R/C Club Board Meeting Minutes (Con't)

### New Business (Con't):

- Flight Training (Con't) developed an introductory flight program in written form. Bud proposes the concept to have a formal training program in place for instructors. This would lead to consistency for trainees, and they would get the same answers to questions no matter which instructor they asked. Bud says the details can be worked out in the future, but in the meantime Bud will continue to work on the document.
- UAS Event at Chatfield Aerodrome Lora Knowlton received a request from a sUAS company interested in using our field for training purposes. The Board did not feel it was a fit with our club mission, field operation or agreement with the Park.
- AMA National Model Aviation Day Saturday, August 12: All AMA clubs are encouraged to participate in this event by holding events that promote our hobby through education. President Thompson said we will hold an open house on Saturday, August 12 and will work on a schedule of events. The field will not be closed. This will give the public an opportunity to see flight operations at the aerodrome.
- LRPC Resolution The Long Range Planning Committee (LRPC) presented a resolution to the Board for the LRPC to manage all contractual and construction aspects of the Memorandum of Understanding (MOU) between Shea Homes Limited Partnership and the Jefco Aeromod'lers for the runway

- realignment. This MOU was signed on October 11, 2016. This resolution would allow the LRPC to execute components of the project on behalf of the club. The LRPC agrees to update and inform the board on all of the project activity. The Board concurred with the LRPC's resolution with some minor wording changes. President Thompson will meet with LRPC chair Bruce Reamto duscuss the amended wording.
- Badges Bud glass advanced an idea to go to a new badge system similar to the one used by the Arvada Associated Modelers. This would make current members much easier to identify, and be more economical than the current name badge system. Treasurer Lora Knowlton discussed the club fiscal year cycle (Oct 1 Sept 30) and stated that there would be plenty of time to implement this system before the new fiscal year. After some discussion Bud Glass moved to adopt the new badge system and discontinue the present orange name badge. The motion was seconded by Steve Rosselot and passed unanimously. Lora suggested that we do something special for Nick Mariani who has made our orange name badges for many years.

**Motion to Adjourn:** A motion to adjourn the meeting was made by Art Wilson. The meeting was adjourned at 9:02 P.M.

Respectfully submitted, Larry Fagan, Secretary.

# In the air at Warbirds Over Denver-- Photos by Bud Glass



# On the ground at Warbirds Over Denver - Photos by Bud Glass































# 2017 Warbirds Over Denver Award Winners - Results from Lora Knowlton

	NAME	PLANE	CLUB/HOME TOWN	
Special Recognition				
Special Recognition	Terry Antoszewski		Landover, Kansas	
Youngest Volunteer	Corbin Miller		Sheridan, Wyoming	
Best Jefco Volunteer	Bud Glass		Jefco Aeromod'lers	
Best Small Scale				
World War I	Michael Berglund	Fokker DRI	Jefco Aeromod'lers	
World War II	Frank Precopio	P47	West Long Branch, NJ	
Modern	Dave Bockelman	Bearcat	Denver RC Eagles	
Best World War I			-	
First Place	Bruce Ream	Fokker DVII	Jefco Aeromod'lers	
Second Place	Tom Sarber	Nieuport 28	Jefco Aeromod'lers	
Third Place	Robert Ihly	Fokker DVII	Denver RC Eagles	
Best World War II				
First Place	Brent Cozzolino	Focke Wolf F190A	Sky Corral RC; Pueblo	
Second Place	Ed von Tersch	P-47 Thunderbolt	Jefco Aeromod'lers	
Third Place	Zach Cozzolino	P-47 Thunderbolt	Sky Corral RC; Pueblo	
Best Modern	251 (80)22		Condition (ACCORD	
First Place	Brian O'Meara	F-104 Starfighter	Jefco Aeromod'lers	
Second Place	Shaquille James	F-16	Denver, CO	
Third Place	d Place Eric Sunderwirth		Aurora, CO	
Best Multi Engine	Jack Steinhauser	P-38	Denver RC Eagles	
Technical Merit	Tom Zaccari	Sopwith Pup	Highlands Ranch, CO	
Best Effective Crash			F2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
First Place	Michael Sadler	Tiger Moth	Jefco Aeromod'lers	
Best of Show - Pilot's Ch	o Zach Cozzolino	P-47	Sky Corral RC; Pueblo	



















The Jefco Flyer Larry Fagan, Editor 4881 S Arbutus St. Morrison, CO 80465



Pilot Box at Warbirds Over Denver

June 2017		July 2017		August 2017	
7	Business Meeting	5	Business Meeting	2	Business Meeting
9-11	Warbirds Over Denver		At the Aerodrome	5-6	Mile-High Pylon Challenge
21	Board Meeting	19	Board Meeting	12	Model Aviation Day
	_			16	Board Meeting
				26-27	Heli Fun-Fly

Business meetings: First Wed. night of each month. Meetings are called to order at 07:00 P.M, programs to follow, at the Alice Terry Elementary School at 4485 S. Irving Street, (located approximately 1/4 mile away from the previous middle school location). Board meetings are held the third Wed. night of each month, 07:00 P.M. If you wish to attend, contact President Peter Thompson in advance.

Note! The July Business meeting will be held at the Chatfield Aerodrome.

The BOD has approved the **Field Safety & Operations Manual.** All members should review this document in the club's website <a href="www.ieffcoaeromodlers.com">www.ieffcoaeromodlers.com</a> for the latest rules and regulations.

Views and or opinions expressed in this newsletter are those of the editor, staff, and writers of articles submitted. They may or may not be those of the Jefco membership, club officers, or board members.